



NATIONAL POWER TRAINING INSTITUTE HOT LINE TRAINING CENTRE

A National Apex Body for Training in Power Sector
Ministry of Power, Government of India
26TH K.M., Kanakapura Main Road, Kaggalipura Post,
Bangalore 560 116, Karnataka, India



DISTRIBUTION LINE MAINTENANCE (OFFLINE MODE)

DATE: 18/01/2021 to 30/01/2021



About NPTI: National Power Training Institute (NPTI) an ISO 9001 & ISO 14001 organization under Ministry of Power, Govt. of India, is a National Apex body for Training and HRD in Power Sector with its Corporate Office at Faridabad. NPTI is the world's leading integrated power training institute and it is operating on an all India basis through its regionally located Institutes at Faridabad, Badarpur, Nangal, Bengaluru, Neyveli, Durgapur, Guwahati, Nagpur, Alappuzha (Kerala) and Shivpuri (MP). NPTI has more than 50 years of professional expertise in the field of training and HRD in Power sector with industry specific interface.

Program Overview: In the modern era and under the pressure of rapid development around the regions, electric utilities are challenged with a numerous of challenges that include aging infrastructure, enhanced expectation of reliability, reduced cost, and coping effectively with uncertainties and changing regulation requirements.

Indeed, for Power Distribution Utility distribution Network represents complex and critical physical assets that require a careful evaluation of their maintenance practices aiming at more cost-effective tasks.

The first concern of the electric power distribution company is the optimization of the distribution network maintenance scheduling, to minimize system operating costs and ensure that the system is running most economically & safely.

In a power system the distribution network is the final stage, which includes carrying electricity from the transmission system and also delivering the electricity to the end users. The components of this network are power lines (medium voltage below 66 kV), substations, distribution transformers, meters, and low-voltage distribution wings (below 1 kV). It begins with the primary circuit leaving the substation and ends as the secondary service enters the customer's meter socket. The voltage varies from 33 kV to 230 V depending on the utility standards, distance, and load to be served. This training program enables the participants to gain knowledge to work in distribution network.



Training Schedule

Day/Date	Topics
Mon / 18.01.2021	Introduction to Distribution Line Maintenance Lines: Classification of Lines based on Voltage level, construction types. Poles: Classification of poles, Selection of Poles, Erection of Poles, Maintenance on Poles.
Tues / 19.01.2021	Insulators: Classification of Insulators, Selection of Insulators, Fixing of Insulators, Maintenance of Insulators. Conductors: Classification of Conductors, Selection of Conductors Stringing of conductors, Maintenance / Repair on Conductors.
Wed / 20.01.2021	Cross Arms: Classification of Cross arms Selection of Cross arms Mounting of cross arms Pole Supports: What's the need of Pole Supports, Types of pole Support Selection of Pole Supports, Construction of pole supports
Thurs / 21.01.2021	Guards: Need of Line Guards, Classification / Selection of Line Guards, Construction of guards. GOS: Classification of GOS, Selection of GOS, Mounting of GOS, Maintenance / Repair of GOS.
Fri / 22.01.2021	Lightning Arrestors: Importance of LA, Mounting of LA, Repair / Maintenance of LA. HV / LV Fuses: Classification & Selection of Fuses for Distribution lines, Mounting of Fuse units, Repair / Maintenance on Fuse units.
Sat / 23.01.2021	Weekly Off
Sun / 24.01.2021	
Mon / 25.01.2021	
Tues / 26.01.2021	Holiday
Wed / 27.01.2021	Distribution Transformer center (DTC): Classification of DTC, Selection of DTC structure, Construction of DTC, Maintenance of DTC. Tools: General tools required for Distribution Lines Maintenance., Selection of Proper tools for particular work. Maintenance of Tools.
Thurs / 28.01.2021	UG Cable LT & HT: Pothead termination, Fixing of Lugs and Glands, End termination, Straight joint. General maintenance of HT panel, LT panel, RMU's, Metering Cubical etc. General safety Procedures to be followed During Maintenance. General Administrative Procedures to be followed during Maintenance. Identification / Locating of General Faults in Distribution Lines. General Duties and Responsibilities of Distribution Lineman.
Fri / 29.01.2021	Nut / Bolt knowledge, Power theft identification intimations, Meter readings.
Sat / 30.01.2021	First Aid Training, Safety measures to be followed.

Who May attend: Linemen, Foremen, Asst.Linemen from Distribution companies, Diploma & ITI Students.

Registration Link: <https://forms.gle/YmMe5cHaFNFpQsh79>

Mode of Training: Offline mode includes practical training

Course Fees: (i) Rs. 22,000/- + Rs. 3,960/- GST amounting to Rs. 25,960/- for Electrical utilities.

(ii) Rs. 13,000/- + Rs. 2,340/- GST amounting to Rs. 15,340/- for Diploma & ITI Students.

Note: Registration shall be done online using above registration link. Fees shall be paid after confirming your registration.

NEFT/IMPS/RTGS

National Power Training Institute, Hot Line Training Centre, Bangalore

(State Bank of India, Banashankari II Stage, Bangalore, A/C-10031210270, IFSC -SBIN0006767)

UPI QR Code:



After successful completion of training “CERTIFICATE” will be awarded to Participants



Course Coordinator:
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